Maryland Historical Trust

Maryland Inventory of Historic Properties number: _F-6-11_

Name: _SIXES BRIDGE RD. BR._

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended _X_	Eligibility Not Recommended _____
Criteria: ___A ___B ___C ___D Considerations: __A __B __C __D __E __F __G __None	
Comments: _____	
Reviewer, OPS:_Anne E. Bruder_____	Date:__3 April 2001____
Reviewer, NR Program:__Peter E. Kurtze_____	Date:__3 April 2001___

MARYLAND INVENTORY OF HISTORIC BRIDGES
HISTORIC BRIDGE INVENTORY
MARYLAND STATE HIGHWAY ADMINISTRATION/
MARYLAND HISTORICAL TRUST

MHT No.   F-6-11

SHA Bridge No.   F05-03   Bridge name   Sixes Bridge Road Bridge

LOCATION:
Street/Road name and number [facility carried]   Sixes Bridge Road over Monocacy River

City/town   Four Points   Vicinity   X

County   Frederick

This bridge projects over: Road____   Railway_____   Water __X__   Land ____

Ownership: State _____   County __X__   Municipal _____   Other _____

HISTORIC STATUS:
Is the bridge located within a designated historic district? Yes _____   No __X__

National Register-listed district ____   National Register-determined-eligible district __

Locally-designated district _____   Other _____

Name of district   _____

BRIDGE TYPE:
Timber Bridge _____:

Beam Bridge _____   Truss -Covered ___   Trestle ____   Timber-And-Concrete ___

Stone Arch Bridge _____

Metal Truss Bridge   X

Movable Bridge ____:

Swing _____   Bascule Single Leaf __   Bascule Multiple Leaf _____
Vertical Lift _____   Retractile_____   Pontoon _____

Metal Girder_____:

Rolled Girder _____   Rolled Girder Concrete Encased _____
Plate Girder _____   Plate Girder Concrete Encased _____

Metal Suspension _____

Metal Arch _____

Metal Cantilever _____

Concrete _____:

Concrete Arch_____   Concrete Slab _____   Concrete Beam ____   Rigid Frame _____
Other _____   Type Name _____

DESCRIPTION:

Setting: Urban _____ **Small town** _____ **Rural** ____X____

Describe Setting:

Bridge No. F05-03 carries Sixes Bridge Road over the Monocacy River in Frederick County. Sixes Bridge Road runs north/south and the Monocacy River flows east/west. The bridge is located in the vicinity of Four Points and is surrounded by pasture and wooded areas.

Describe Superstructure and Substructure:

Bridge No. F05-03, constructed circa 1915 by the York Bridge Company of York, Pennsylvania, is a 2-span, 1-lane Pratt thru-truss bridge. The structure is 74.7 meters (245 feet) in length and has a clear roadway width of 4.59 meters (15.08 feet). The out-to-out width is 5.51 meters (18.08 feet). It has fourteen (14) panels with diagonal endposts, seven (7) in each span. the top chord is a built-up section of channels connected by plates. The bottom chord comprises eyebars connected by pins. The floor system has steel rolled beam stringers and floorbeams. The structure is protected by a w-beam guardrail.

The substructure consists of stone abutments, a stone pier and stone wingwalls. The County has posted the structure for 13.5 tonnes (15 tons) and it has a sufficiency rating of 62.

According to the 1997 inspection report, the overall condition of the structure is good, including truss members, stringers and floorbeams, the pier, abutments, and paint. However, there are widespread area of rust staining, light surface corrosion, and loose bolts or missing nuts.

Discuss Major Alterations:

According to the 1997 inspection report, the floor system, including the timber deck (previously replaced in 1977), steel stringers floorbeams and guardrails were added in 1995.

HISTORY:

WHEN was the bridge built: circa 1915 _____
This date is: Actual _____ **Estimated** ____X____
Source of date: Plaque ____ **Design plans** ____ **SHA/County bridge files/inspection form** __X__
Other (specify):

SURVEYOR/HISTORIAN ANALYSIS:

**This bridge may have National Register significance for its association with:**
    A - Events ____X____   **B- Person** _____
    C- Engineering/architectural character ____X____

The bridge was determined eligible for the National Register of Historic Places by the Maryland Historical Trust in February 1993.

SURVEYOR:

Date bridge recorded _____March 1998_____

Name of surveyor Dave Dick/Caroline Hall_____

Organization/Address Wallace Montgomery and Associates, 110 West Road, Towson, MD 21204/
P.A.C. Spero & Co., 40 W. Chesapeake Ave, Suite 412, Baltimore, MD 21204

Phone number (410) 296-1635 _____ **FAX number** (410) 296-1670_____
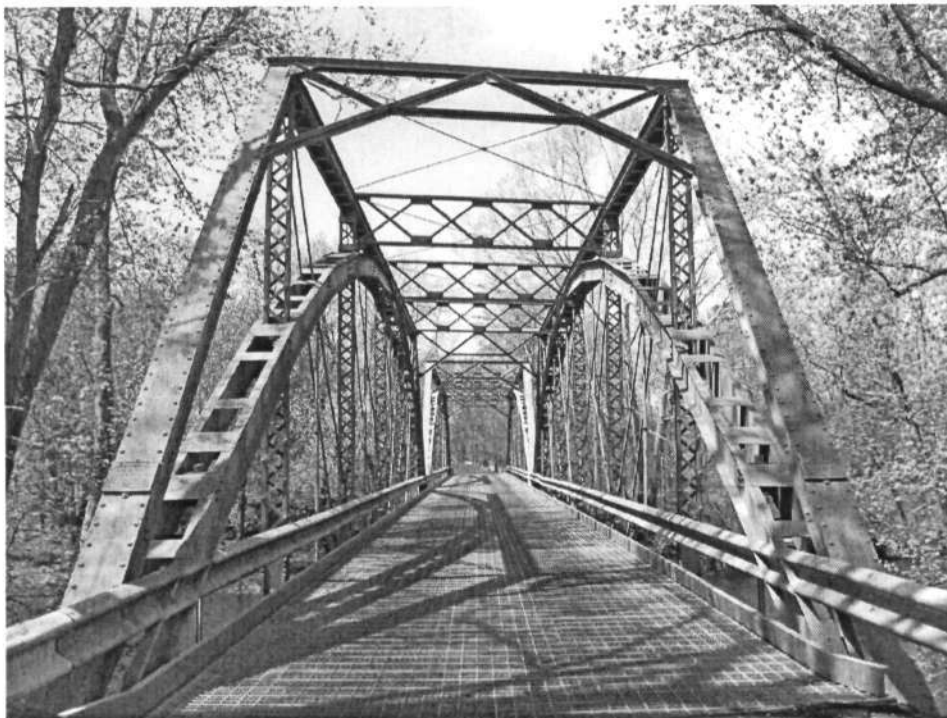
225
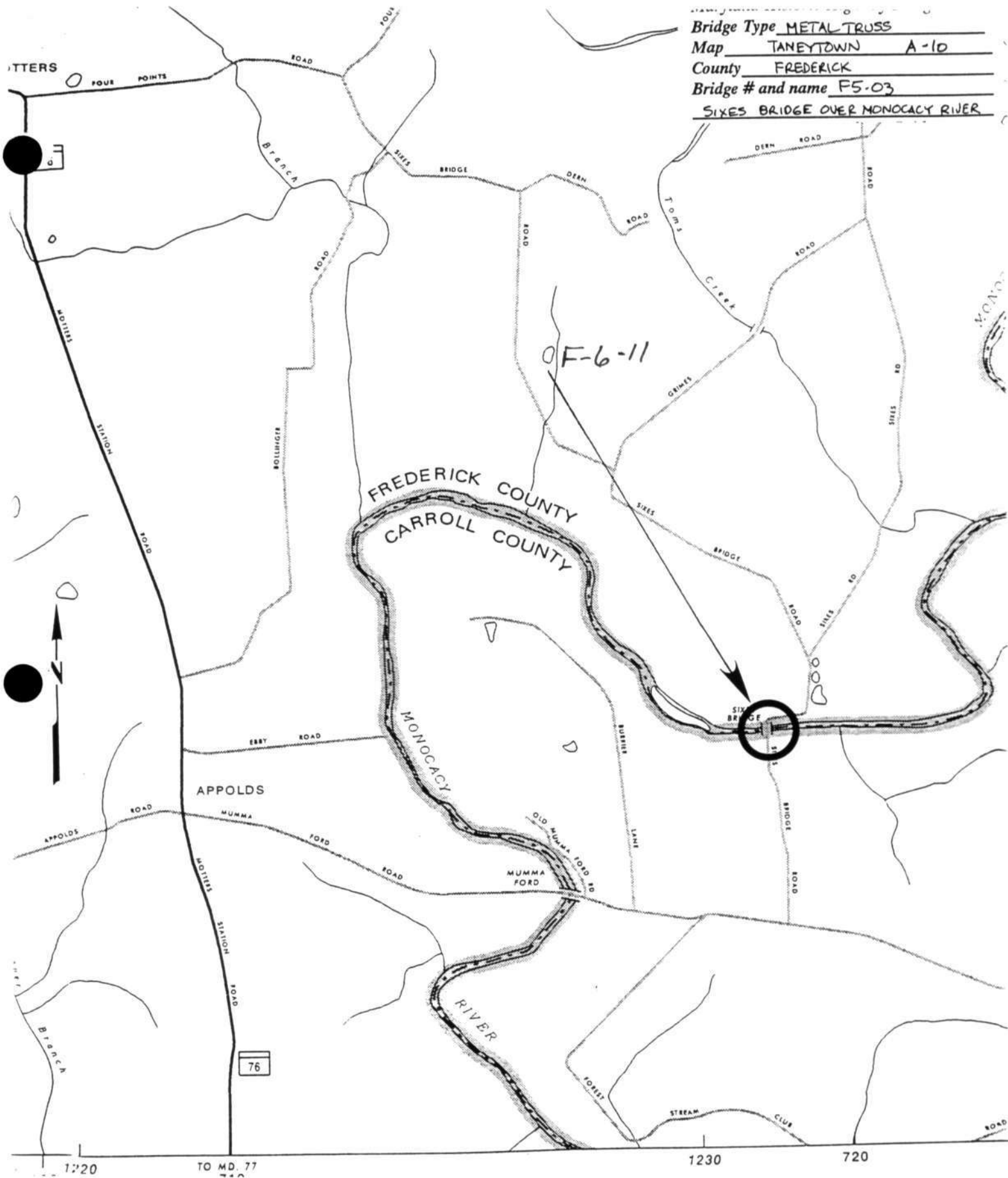
CARR-1/F-6-10
Mumma Ford Bridge
Mumma Ford Road over Monocacy River, Rocky Ridge
Jennifer K. Cosham, 25 April 2006

Southeast elevation

East elevation

CARR-1/F-6-10
Mumma Ford Bridge
Mumma Ford Road over Monocacy River, Rocky Ridge
Jennifer K. Cosham, 25 April 2006
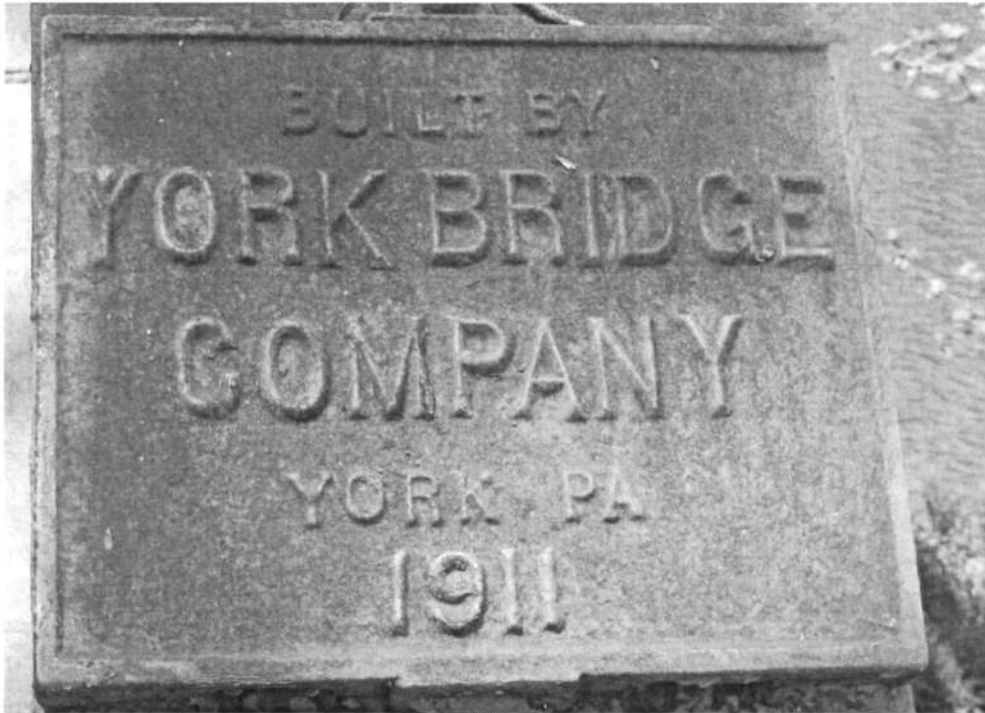
Plaque, east end of bridge, north side

Plaque, east end of bridge, south side

1. F-6-11
2. F503, Sites Bridge Road over Monocacy River
3. Frederick County, MD
4. Ryan McKay
5. July 1997
6. MD SHPO
7. South approach
8. 1 of 2

1. F-6-11

2. F 503, Sites Bridge Road over Monocacy River

3. Frederick County, MD

4. Ryan McKay

5. July 1997

6. MD SHPO

7. Downstream elevation

8. 2 of 2

INDIVIDUAL   PROPERTY/DISTRICT
MARYLAND   HISTORICAL   TRUST
INTERNAL   NR-ELIGIBILITY   REVIEW   FORM

Property/District   Name: Sixes   Bridge   Road   Bridge   Survey   Number: F-6-11

Project: Rehabilitation   of Sixes   Bridge Road   Bridge   Agency: COE

Site   visit   by MHT   Staff: _X_ no   ___ yes   Name _____   Date _____

Eligibility   recommended   _X_   Eligibility   not   recommended   ____

Criteria: _X_ A   ___ B   ___ C   ___ D   Considerations: ___ A   ___ B   ___ C   ___ D   ___ E   ___ F   ___ G   ___ None

Justification   for   decision: (Use   continuation   sheet   if   necessary   and   attach   map)

The   Sixes   Bridge   Road   Bridge   was   built   circa   1910,   according   to the   Wilson
T. Ballard   Company,   or 1915,   according   to   the   inventory   form   and   information
previously   provided   to   the   Maryland   Historical   Trust   by   Frederick   County
Department   of   Public   Works.   It   is   a   double   span   steel   pratt   through   truss
carrying   Sixes   Bridge   Road   over   the   Monocacy   River.   Under   Criteria   A,   the   Sixes
Bridge   Road   Bridge   derives   its   significance   from   its   association   with   the
development   of transportation   in Frederick   County.   Metal   truss   bridges   represent
an important   step   in engineering   design   and   a uniquely   American   achievement,   the
result   of   intensive   experimentation   in   the   19th   century.   Relatively   cheap   and
easy   to build,   these   bridges   were   the   most   popular   form   of   bridge   construction
in Frederick   County   between   the   1870s   and   the   1930s.   Large   numbers   were   built
to   span   small   crossings,   greatly   facilitating   vehicular   movement   and
communication   throughout   the developing   County.   Frederick   County   once had   scores
of such   bridges;   however,   as technology   and use   requirements   have   changed,   they
have   been   replaced   at an   increasing   rate.   According   to information   provided   to
the   Maryland   Historical   Trust   by   Frederick   County   Department   of   Public   Works,
only   27   metal   truss   bridges   remain   on   County   roads.   A number   of   these   are
currently   slated   for   replacement.   In   Maryland   and   in   Frederick   County,   the
double   span   configuration   is less   common   than   the   single   span   metal   truss.   The
Sixes   Bridge   Road   Bridge   is   thus   an   increasingly   rare   example   of   the   sort   of
modest   structure   once   common   throughout   rural   Maryland.

Documentation   on   the   property/district   is presented   in: Project   File and   Maryland   Hist-

orical   Trust   Inventory   Form   F-6-11

Prepared   by: Cherilynn   Widdell,   Wilson   T.   Ballard   Co.

Elizabeth   Hannold _____   February   16,   1993
   Reviewer,   Office   of Preservation   Services   Date

NR   program   concurrence: _X_ yes   ___ no   ___ not   applicable

_____   2·16·93
   Reviewer,   NR   program   Date

MARYLAND   COMPREHENSIVE   HISTORIC   PRESERVATION   PLAN   DATA   -   HISTORIC   CONTEXT

I.   Geographic   Region:

____   Eastern   Shore   (all   Eastern   Shore   counties,   and   Cecil)
____   Western   Shore   (Anne   Arundel,   Calvert,   Charles,
                                                           Prince   George's   and   St.   Mary's)
_X_   Piedmont   (Baltimore   City,   Baltimore,   Carroll,
                                                           Frederick,   Harford,   Howard,   Montgomery)
____   Western   Maryland   (Allegany,   Garrett   and   Washington)

II.   Chronological/Developmental   Periods:

____   Paleo-Indian   10000-7500   B.C.
____   Early   Archaic   7500-6000   B.C.
____   Middle   Archaic   6000-4000   B.C.
____   Late   Archaic   4000-2000   B.C.
____   Early   Woodland   2000-500   B.C.
____   Middle   Woodland   500   B.C.   -   A.D.   900
____   Late   Woodland/Archaic   A.D.   900-1600
____   Contact   and   Settlement   A.D.   1570-1750
____   Rural   Agrarian   Intensification   A.D.   1680-1815
____   Agricultural-Industrial   Transition   A.D.   1815-1870
_X_   Industrial/Urban   Dominance   A.D.   1870-1930
____   Modern   Period   A.D.   1930-Present
____   Unknown   Period   (__   prehistoric   __   historic)

III.   Prehistoric   Period   Themes: IV.   Historic   Period   Themes:

____   Subsistence   ____   Agriculture
____   Settlement   ____   Architecture,   Landscape   Architecture,
                                                                                        and   Community   Planning
____   Political   ____   Economic   (Commercial   and   Industrial)
____   Demographic   ____   Government/Law
____   Religion   ____   Military
____   Technology   ____   Religion
____   Environmental   Adaption   ____   Social/Educational/Cultural
                                                                           _X_   Transportation

V.   Resource   Type:

Category: _Structure_____

Historic   Environment: _Rural_____

Historic   Function(s)   and   Use(s):   _Transportation_____

_____

_____

Known   Design   Source: _York   Bridge   Company_____

F.-6-11
Sixes Bridge   C. 1915
Four Points
Public

        The Sixes Bridge is a large two span steel through truss bridge of
        Pratt design which spans the Monocacy River. It is a single lane
        bridge 181 feet wide and 238 feet long, which is set on coursed
        stone abutments. Joints are secured with pinned connections. A
        name plate once on the northwest hip is missing, but the structure
        is similar to others in the county built by the York Bridge
        Company of York, Pennsylvania.

F-6-11
1101193717

INVENTORY FORM FOR STATE HISTORIC SITES SURVEY

1 NAME

HISTORIC
Sixes Bridge

AND/OR COMMON

2 LOCATION

STREET & NUMBER
Sixes Bridge Road over Monacacy River

CITY. TOWN
Fourpoints   X VICINITY OF

CONGRESSIONAL DISTRICT
E.D. 5

STATE
Frederick   MD

COUNTY

3 CLASSIFICATION

CATEGORY	OWNERSHIP	STATUS	PRESENT USE	
__DISTRICT	X PUBLIC	__OCCUPIED	__AGRICULTURE	__MUSEUM
__BUILDING(S)	__PRIVATE	__UNOCCUPIED	__COMMERCIAL	__PARK
X STRUCTURE	__BOTH	__WORK IN PROGRESS	__EDUCATIONAL	__PRIVATE RESIDENCE
__SITE	PUBLIC ACQUISITION	ACCESSIBLE	__ENTERTAINMENT	__RELIGIOUS
__OBJECT	__IN PROCESS	__YES: RESTRICTED	__GOVERNMENT	X SCIENTIFIC
	__BEING CONSIDERED	X YES: UNRESTRICTED	__INDUSTRIAL	__TRANSPORTATION
		__NO	__MILITARY	__OTHER

4 OWNER OF PROPERTY

NAME
                                        Telephone #:

STREET & NUMBER

CITY. TOWN   STATE , zip code
                    ___ VICINITY OF

5 LOCATION OF LEGAL DESCRIPTION   Liber #:

COURTHOUSE.   Folio #:
REGISTRY OF DEEDS, ETC.

STREET & NUMBER

CITY. TOWN   STATE

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

DATE
                              __FEDERAL __STATE __COUNTY __LOCAL

DEPOSITORY FOR
SURVEY RECORDS

CITY. TOWN   STATE

7 DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE

X EXCELLENT ___DETERIORATED   X UNALTERED   X ___ORIGINAL SITE

___GOOD ___RUINS   ___ALTERED   ___MOVED   DATE_____

___FAIR ___UNEXPOSED

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The Sixes Bridge is a large two span steel thru truss bridge of Pratt design which spans the Monocacy River on Sixes Bridge Road near Fourpoints, Maryland.

The single lane bridge which is set on coursed stone abutments is 18.1 feet wide and 238 feet in length with fifteen original stringers. The woodplank floor has recently been replaced. Joints are secured with pinned connections. A name plate on the northwest hip is missing. This bridge is very similar to the Mumma Ford Bridge but is in better condition.

CONTINUE ON SEPARATE SHEET IF NECESSARY

8 SIGNIFICANCE

PERIOD		AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW		
PREHISTORIC	__ARCHEOLOGY-PREHISTORIC	__COMMUNITY PLANNING	__LANDSCAPE ARCHITECTURE	__RELIGION
__1400-1499	__ARCHEOLOGY-HISTORIC	__CONSERVATION	__LAW	__SCIENCE
__1500-1599	__AGRICULTURE	__ECONOMICS	__LITERATURE	__SCULPTURE
__1600-1699	__ARCHITECTURE	__EDUCATION	__MILITARY	__SOCIAL/HUMANITARIAN
__1700-1799	__ART	_X_ENGINEERING	__MUSIC	__THEATER
__1800-1899	__COMMERCE	__EXPLORATION/SETTLEMENT	__PHILOSOPHY	__TRANSPORTATION
_X_1900-	__COMMUNICATIONS	__INDUSTRY	__POLITICS/GOVERNMENT	__OTHER (SPECIFY)
		__INVENTION		

SPECIFIC DATES   c. 1915   BUILDER/ARCHITECT

STATEMENT OF SIGNIFICANCE

The Sixes Bridge is very similar to the Mumma Ford Bridge but has recently been refurbished by the roads department and is in excellent condition.

Although the name plate of the bridge has been removed it is very similar to others in Frederick County built by the York Bridge Company of York, Pa.

CONTINUE ON SEPARATE SHEET IF NECESSARY

F-6-11

9 MAJOR BIBLIOGRAPHICAL REFERENCES

CONTINUE ON SEPARATE SHEET IF NECESSARY

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY _____

VERBAL BOUNDARY DESCRIPTION

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE   COUNTY

STATE   COUNTY

11 FORM PREPARED BY

NAME / TITLE

Cherilyn _Widell, Site Analyst   8/77

ORGANIZATION   DATE

Frederick County Office of Historic Preservation

STREET & NUMBER   TELEPHONE

Winchester Hall   East Church Street

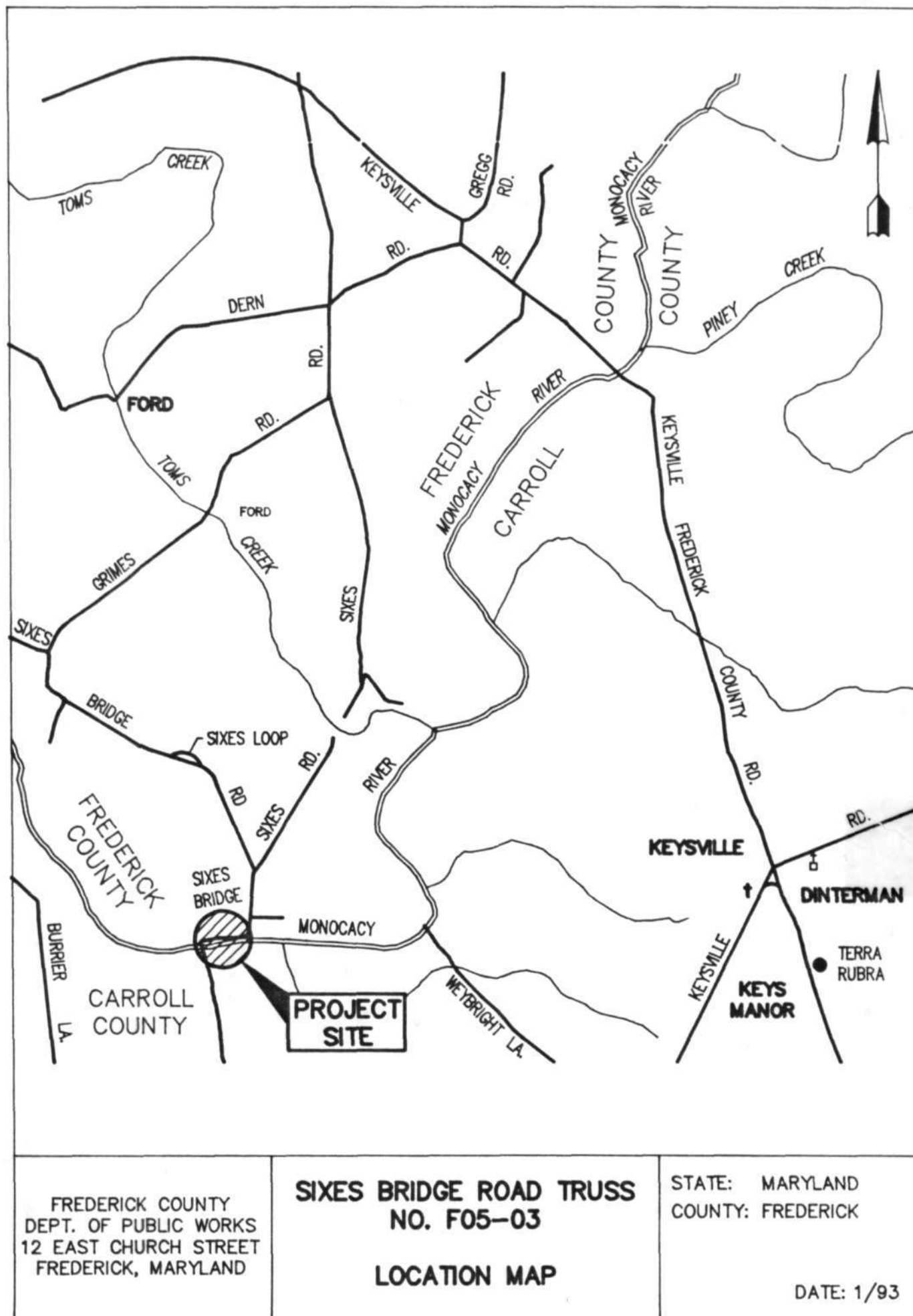CITY OR TOWN   STATE

Frederick   Maryland 21701

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature, to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 Supplement.

The Survey and Inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.
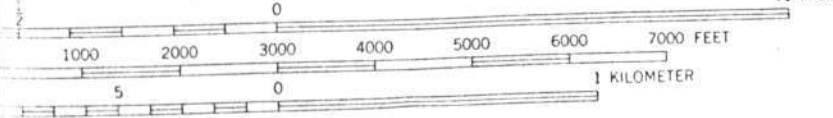
RETURN TO: Maryland Historical Trust
              The Shaw House, 21 State Circle
              Annapolis, Maryland 21401
              (301) 267-1438

FREDERICK COUNTY DEPT. OF PUBLIC WORKS 12 EAST CHURCH STREET FREDERICK, MARYLAND	SIXES BRIDGE ROAD TRUSS NO. F05-03 LOCATION MAP	STATE: MARYLAND COUNTY: FREDERICK DATE: 1/93

Sixes Bridge

Toms Creek

Branch

FREDERICK CO / CARROLL CO

MONOCACY

RIVER

Appolds

×444

×420

×444

F6-11
.SIXES
BRIDGE.

EMMITSBURG
QUADRANGLE

(WOODSBORO)
5563 III SE

SCALE 1:24000

1 MILE
1000 2000 3000 4000 5000 6000 7000 FEET
5 0 1 KILOMETER

17'30"

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

Heavy duty
Medium duty
U.S. Route

ROAD C

MARYLAND

F-6-11
Sixes Bridge
Sixes Bridge Road over Monocacy River, Emmitsburg
Jennifer K. Cosham, 25 April 2006

Northeast elevation

upstream elevation (North truss)

Sixes Bridge

WAR...
WEIGHT NO...
8.000...
SPEED NOT...
15 MI. P...

F-6-11
Sixes Bridge

ng South cer bridge